

# **CONVERSION OF PETROLEUM RESID TO USABLE OILS WITH ULTRASOUND**

## **ABSTRACT OF THE DISCLOSURE**

Petroleum residua are combined with water or an aqueous solution to form an emulsion which is then treated with ultrasound at a sufficient intensity and for a sufficient period of time to cause a conversion of the heavy hydrocarbon components of the residua to lighter components, thereby shifting the entire boiling point curve to lower boiling points. This allows one to draw a greater proportion of usable oil from the residua.

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